1732

(J.)



**PATENT** 

## IE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF

Elliott J. Straus et al.

FOR

SELECTIVELY CONTROLLING IN-

**MOLD COATING FLOW** 

SERIAL NO.

: 10/045,481

**FILED** 

October 22, 2001

**EXAMINER** 

Edmund H. Lee

**ART UNIT** 

1732

CONFIRMATION NO.

: '9731

ATTORNEY DOCKET NO.

0-005410USJF

OMNZ 2 00025

## SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir or Madam:

In accordance with 37 C.F.R. §§ 1.56, 1.97, 1.98 and MPEP § 609, applicant(s) submit(s) the following Disclosure Statement concerning art of which the applicant(s) is (are) aware. A copy of PTO-1449 is enclosed herewith.

This Information Disclosure Statement is not intended to constitute an admission that any patent, publication or other information referred to herein or submitted herewith is "prior art" for this invention unless specifically designated as such.

In accordance with the United States Patent and Trademark Office OG Notice dated 05 August 2003, waiving the requirement under 37 C.F.R. §1.98(a)(2)(i), for submitting a copy of each cited U.S. patent and each U.S. patent application publication for all U.S. national patent applications filed after June 30, 2003, Applicant(s) has not enclosed copies of the cited U.S. patents and applications with this Disclosure.

In accordance with 37 C.F.R. §1.97(g) and (h), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 C.F.R. §1.56(b) exists.

Under § 1.98(a)(3), no concise explanation of relevance is required for information that is in the English language. If available, an English language translation is provided with any non-English language patents, publications or other information provided herewith. All of the cited and/or included references were cited by the European Patent Office in PCT applications directed toward the same or similar technology areas as the application with which this Information Disclosure Statement concerns.

Consideration of the appropriate paragraph(s) indicated below is respectfully requested: WITHIN THREE MONTHS OF FILING: Under § 1.97(b)(1), this Information Disclosure Statement is being filed within three months of the filing date of the application. Although it is believed no fee is necessary, any deficiency in fees should be charged to Deposit Account No. 06-0308. BEFORE FIRST OFFICE ACTION: Under § 1.97(b)(3), this Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits. Although it is believed no fee is necessary, any deficiency in fees should be charged to Deposit Account No. 06-0308.  $\boxtimes$ INTERNATIONAL SEARCH REPORT: Under § 1.97(e)(1), the undersigned certifies that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement. Although it is believed no fee is necessary, any deficiency in fees should be charged to Deposit Account No. 06-0308. Under § 1.97(c)(2), this BEFORE FINAL ACTION/WITH FEE: information shall be considered if filed before the mailing date of a final action if accompanied by a fee in the amount of \$180.00 as required by §1.17(p). Accordingly, the necessary fee accompanies this Information Disclosure Statement. Any overpayment or deficiency can be charged to Deposit Account No. 06-0308. PRIORITY CLAIM: The attached PTO 1449 Form includes all patents, publications, or other information previously cited by or submitted to the Office in one

or more prior applications from which the present application claims priority. These

one or more prior applications are identified in the papers accompanying the filing of this application. In accordance with § 609 MPEP, only copies of art not previously submitted are enclosed.

It is respectfully requested that the attached document(s) be considered and officially cited in examination of this application.

Respectfully submitted,

FAY, SHARPE, FAGAN, MINNICH & McKEE, LLP

May 7, 2004 Date

Erik J. Overberger Reg. No. 48,556

1100 Superior Avenue

Seventh Floor

Cleveland, OH 44114-2518

216/861-5582

| CERTIFICATE OF MAILING   |                         |  |  |  |  |  |
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| I certify that this Information Disclosure Statement and accompanying document(s) are being  deposited with the United States Postal Service as First Class mail under 37 C.F.R. 1.8, address Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date indicated below.  transmitted to facsimile number under 37 C.F.R. 1.8 on the date indicated below.  deposited with the United States Postal Service "Express Mail Post Office to Addressee" service un C.F.R. 1.10 on the date indicated below and is addressed to: Commissioner For Patents, P.O. Box Alexandria, VA 22313-1450. |                         |  |  |  |  |  |
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Approved for use through 07/31/2003. OMB 0651-0031
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| Substitute for form 1449/PTO |                             | COMPLETE IF KNOWN                           |                        |         |            |   |  |           |
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|                              |                             | Application Number                          |                        |         | 10/045,481 |   |  |           |
| INFORMATION DISCLOSURE       |                             | UN DISC! OSTIBE                             | Filing Date            |         |            | October 22, 2001                                |  |           |
| STATEMENT BY APPLICANT(S)    |                             |   | First Named Inventor   |         |            | Elliott J. Straus et al.                        |  |           |
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|                              | She                         | MAY 1 0 ZDO                                 | Attorney Doc           | ket No. |            | 0-005410USJF<br>OMNZ 2 00025                    |  |           |
|                              |                             | Document No.                                | U.S. P                 | ATENT   | DOCUM      | IENTS   |  |           |
| Examiner<br>Initials*        | Cite<br>No.                 | Document No.<br>Number-Kind Code (if known) | Publication<br>MM-DD-Y |         |            | Name of Patentee or<br>licant of Cited Document | Pages, Columns, Lines, Whel<br>Relevant Passages or Releva<br>Figures Appear |           |
|                              | AA                          | US-2002/0039656                             | 04/04/2002             | 2       |            |   |  |           |
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|                              | AK                          | US-   |                        |         |            |   |  |           |
|                              | AL                          | US-   |                        |         |            |   |  |           |
|                              |                             |   | FOREIGN                | N PATEN | NT DOC     | UMENTS  | 1  |           |
| Examiner                     | Cite                        | Foreign Patent Doc                          | ument                  | Publica | ition Date | Name of Patentee or                             | Pages, Columns, Lines,   | Т         |
| Initials*                    | No.                         | Country Code-Number Kind                    | Code (if known)        | MM-D    | D-YYYY     | Applicant of Cited<br>Document                  | Where Relevant Passages or<br>Relevant Figures Appear                        | 1         |
|                              | АМ                          | JP-06-328504(English and Computer Transla   | Abstract               | 11/29/  | 1994       |   |  | ×         |
|                              | AN                          | EP-0 472 312 A2                             |                        | 02/26/  | 1992       |   |  | $\dagger$ |
|                              | AO                          | JP-2001-96573 (English and Computer Transla | sh Abstract<br>tion)   | 04/10/2 | 2001       |   |  | ×         |
|                              | AP                          | DE-1 949 756                                |                        | 04/08/  | 1971       |   |  |           |
|                              | •                           | OTHER PRIC                                  | OR ART - NC            | N PATE  | NT LIT     | ERATURE DOCUMEN                                 | TS   |           |
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| Substitute for form 1449/PTO |                        | COMPLETE IF KNOWN                           |                                  |                      |              |  |   |                   |
|                              |                        | Application N                               | lumber                           |                      | 10/045,481   |  |   |                   |
| INFORMATION DISCLOSURE       |                        |   | Filing Date First Named Inventor |                      |              | October 22, 2001                             |   |                   |
| STATE                        | MENT                   | BY APPLICANTS                               |                                  | Inventor             |              | Elliott J. Straus et al.                     |   |                   |
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|                              | She                    |   | Attorney Doo                     | ket No.              |              | 0-005410USJF<br>OMNZ 2 00025                 |   |                   |
|                              |                        | TRADEMARK                                   | U.S. P                           | ATENT                | DOCUM        | IENTS  |   |                   |
| Examiner<br>Initials*        | Cite<br>No.            | Document No.<br>Number-Kind Code (if known) | Publication<br>MM-DD-Y           |                      |              | Name of Patentee or licant of Cited Document | Pages, Columns, Lines, Whe<br>Relevant Passages or Releva<br>Figures Appear | re<br>nt          |
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| Examiner<br>Initials*        | Cite Foreign Patent Do |   | ument                            |                      |              | Name of Patentee or<br>Applicant of Cited    | Pages, Columns, Lines,<br>Where Relevant Passages o                         | Т.                |
| minais                       | 140.                   | Country Code-Number Kind                    | d Code (if known))               | e (if known)) MM-DD- |              | Document                                     | Relevant Figures Appear   |                   |
|                              | ВМ                     | DE-25 07 727                                |                                  | 09/02/               | 1976         |  |   |                   |
|                              | BN                     | DE-38 04 619 A1                             |                                  | 08/24/               | 1989         |  | •   | $\top$            |
|                              | во                     | DE 39 38 891 A1                             |                                  | 05/31/               | 1990         |  |   | T                 |
|                              | BP                     | EP- 0 661 146 B1                            |                                  | 07/05/               | 1995         |  |   | $\top$            |
|                              |                        | OTHER PRIC                                  | OR ART - NO                      | N PATE               | ENT LIT      | ERATURE DOCUMEN                              | ITS   |                   |
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| Substitute for form 1449/PTO                     |             | COMPLETE IF KNOWN                           |                                |           |  |   |  |        |
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| INFORMATION DISCLOSURE                           |             | Application Number 10/045,481               |                                |           |  |   |  |        |
|  |             | N DISCLOSURE                                | Filing Date                    |           |  | October 22, 2001  |  |        |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT(S) |             |   | First Named                    | Inventor  |  | Elliott J. Straus et al.  |  |        |
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| Examiner<br>Initials*                            | Cite<br>No. | Document No.<br>Number-Kind Code (if known) | Publication Date<br>MM-DD-YYYY |           |  | Name of Patentee or<br>licant of Cited Document                                       | Pages, Columns, Lines, Whe<br>Relevant Passages or Releva<br>Figures Appear  |        |
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| Initials*  | No.         | Country Code-Number Kind                    |                                | MM-D      | D-YYYY   | Applicant of Cited<br>Document  | Where Relevant Passages of Relevant Figures Appear   | г      |
|  | СМ          | EP-0 894 603 A1                             |                                | 07/24/    |  |   |  |        |
|  | CN          | EP 0 919 350 A2                             |                                | 11/17/    |  |   |  |        |
|  | СО          | JP-01-110921 (English                       | •                              | 04/27/    |  |   |  | ×      |
|  | СР          | JP-08-127038 (Englis and Computer Transla   |                                | 05/21/    | 1996   |   |  | ×      |
|  |             | OTHER PRIC                                  | R ART - NC                     | N PATE    | ENT LIT  | ERATURE DOCUME  | NTS  |        |
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| Substitute for form 1449/PTO |             | COMPLETE IF KNOWN                        |                        |               |            |   |   |        |
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|                              |             | Application N                            | lumber                 |               | 10/045,481 |   |   |        |
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| STATEMENT BY APPLICANT(S)    |             |  | First Named Inventor   |               |            | Elliott J. Straus et al.  |   |        |
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|                              | _           | /01/ 8                                   | Examiner Na            |               |            | Edmund H. Lee   | <u></u>   |        |
|                              | She         | et 4 of 4<br>MAY 1 0 2004                | Attorney Doo           | ket No.       |            | 0-005410USJF<br>OMNZ 2 00025  |   |        |
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| Examiner<br>Initials*        | Cite<br>No. | Document No. Number-Kind Code (if known) | Publication<br>MM-DD-Y |               |            | Name of Patentee or icant of Cited Document   | Pages, Columns, Lines, When<br>Relevant Passages or Relevar<br>Figures Appear   |        |
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| Examiner                     | Cite        | Foreign Patent Doo                       |                        | Publication   |            | Name of Patentee or   | Pages Columns Lines   | Тт     |
| Initials*                    | No.         | Country Code-Number Kind                 |                        | MM-DD-Y       |            | Applicant of Cited  Document  | Pages, Columns, Lines,<br>Where Relevant Passages or<br>Relevant Figures Appear | '      |
| <del>.</del>                 | DM          | JP-63-021110 (English                    | h Abstract)            | 01/28/198     | 88         |   |   | X      |
|                              | DN          | JP-60-31931 (English                     | Abstract)              | 02/18/198     | 85         |   |   | X      |
|                              | DO          | WO 02/04187 A2                           |                        | 01/17/200     | 02         |   |   | П      |
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